

ABSTRACT OF THE INVENTION

The present invention provides methods and devices for modulating the efficacy and/or increasing the efficiency of treatment of disease and/or cosmetic conditions through

5 photobiostimulation combined with heating and/or cooling of the treatment region. In one aspect, methods and devices of the present invention are directed to modulating the efficacy of photobiostimulation in a target region by controlling the temperature in the region and/or its surrounding volume. According to some aspects of the present invention, tissue is heated such that biostimulation is applied to tissue that is hyperthermic. Alternatively, portions of the target
10 region can be cooled to selectively target biostimulation to a specific region at a desired depth below the skin surface. A feedback mechanism is also provided so that the temperature of the target region can be selectively and accurately controlled.

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